

# All Other Converted Paper Product Manufacturing: 2002

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## 2002 Economic Census

*Manufacturing*

Industry Series



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U.S. Department of Commerce  
Economics and Statistics Administration  
U.S. CENSUS BUREAU



## CONTENTS

Introduction to the Economic Census .....	v
Manufacturing .....	ix

### Tables

1. Historical Statistics for the Industry: 2002 and Earlier Years ...	1
2. Industry Statistics for Selected States: 2002 .....	2
3. Detailed Statistics by Industry: 2002 .....	3
4. Industry Statistics by Employment Size: 2002.....	4
5. Industry Statistics by Primary Product Class Specialization: 2002 .....	5
6a. Products Statistics: 2002 and 1997 .....	6
6b. Product Class Shipments for Selected States: 2002 and 1997 .	7
7. Materials Consumed by Kind: 2002 and 1997.....	8

### Appendixes

A. Explanation of Terms .....	A-1
B. NAICS Codes, Titles, and Descriptions .....	B-1
C. Methodology .....	C-1
D. Geographic Notes .....	--
E. Metropolitan and Micropolitan Statistical Areas .....	--
F. Comparability of Product Classes and Product Codes: 2002 to 1997 .....	F-1

-- Not applicable for this report.

**Table 1. Historical Statistics for the Industry: 2002 and Earlier Years**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year <sup>1</sup>	Com- panies <sup>2</sup>	All estab- lish- ments <sup>3</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number <sup>4</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
322299, All other converted paper product manufacturing .....	2002.. 507	575	22 686	755 581	17 584	34 911	471 945	2 195 956	2 085 507	4 271 782	132 338
	2001.. N	N	23 356	784 462	18 520	36 541	493 191	2 250 305	2 306 712	4 570 145	135 087
	2000.. N	N	24 154	793 835	19 263	38 425	496 713	2 370 978	2 427 050	4 765 674	149 182
	1999.. N	N	25 230	765 299	19 662	39 359	485 437	2 380 653	2 217 898	4 577 499	132 829
	1998.. N	N	23 119	673 652	17 841	37 189	430 130	2 063 494	2 004 183	4 109 463	88 015
	1997.. 529	601	23 908	690 693	18 534	36 539	433 133	1 992 052	1 844 985	3 847 866	119 994

<sup>1</sup>Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

<sup>2</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>3</sup>Includes establishments with payroll at any time during the year.

<sup>4</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 2. Industry Statistics for Selected States: 2002**

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
322299, All other converted paper product manufacturing												
United States .....	2	575	268	22 686	755 581	17 584	34 911	471 945	2 195 956	2 085 507	4 271 782	132 338
Alabama .....	—	7	3	338	9 992	286	456	6 167	67 536	57 289	122 341	1 857
Arizona .....	8	9	4	594	23 993	454	956	16 621	110 591	38 655	149 077	2 718
California .....	1	84	29	2 058	68 923	1 580	2 981	42 124	167 123	202 332	370 146	8 538
Florida .....	—	17	4	284	11 695	149	312	3 978	58 323	21 863	81 304	1 497
Georgia .....	—	12	7	772	28 374	605	1 249	18 776	260 691	90 958	351 707	14 075
Illinois .....	1	30	17	1 451	50 634	1 159	2 248	33 117	116 722	82 124	197 761	3 844
New Jersey .....	1	21	12	1 273	38 757	1 018	1 821	24 839	74 613	124 171	199 222	7 587
New York .....	4	31	13	863	26 678	669	1 368	16 347	54 176	56 499	111 426	2 974
Ohio .....	—	37	17	1 683	55 480	1 278	2 526	32 376	123 948	181 469	302 779	15 005
Pennsylvania .....	—	33	19	1 558	52 145	1 161	2 419	30 932	145 388	191 069	337 032	4 389
Virginia .....	1	9	8	862	31 279	668	1 328	20 436	71 255	92 711	164 419	4 379
Wisconsin .....	3	29	15	1 827	63 881	1 424	3 003	37 760	139 944	152 687	293 187	15 094

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 3. Detailed Statistics by Industry: 2002**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
<b>322299, All other converted paper product manufacturing</b>	
Companies <sup>1</sup> .....	number.. 507
All establishments <sup>2</sup> .....	number.. 575
Establishments with 1 to 19 employees .....	number.. 307
Establishments with 20 to 99 employees .....	number.. 223
Establishments with 100 employees or more .....	number.. 45
All employees <sup>3</sup> .....	number.. 22 686
Total compensation .....	\$1,000.. 926 043
Annual payroll .....	\$1,000.. 755 581
Total fringe benefits .....	\$1,000.. 170 462
Production workers, average for year .....	number.. 17 584
Production workers on March 12 .....	number.. 17 417
Production workers on May 12 .....	number.. 17 758
Production workers on August 12 .....	number.. 17 761
Production workers on November 12 .....	number.. 17 345
Production worker hours .....	\$1,000.. 34 911
Production worker wages .....	\$1,000.. 471 945
Total cost of materials .....	\$1,000.. 2 085 507
Materials, parts, containers, packaging, etc., used .....	\$1,000.. 1 816 200
Resales .....	\$1,000.. 168 434
Purchased fuels .....	\$1,000.. 27 342
Purchased electricity .....	\$1,000.. 50 820
Contract work .....	\$1,000.. 22 711
Quantity of electricity purchased for heat and power .....	1,000 kWh.. 847 109
Quantity of electricity generated less sold for heat and power .....	1,000 kWh.. -
Total value of shipments .....	\$1,000.. 4 271 782
Primary products value of shipments .....	\$1,000.. 3 756 399
Secondary products value of shipments .....	\$1,000.. 171 487
Total miscellaneous receipts .....	\$1,000.. 343 896
Value of resales .....	\$1,000.. 229 083
Contract receipts .....	\$1,000.. 80 690
Other miscellaneous receipts .....	\$1,000.. 34 123
Primary products specialization ratio .....	percent.. 96
Value of primary products shipments made in all industries .....	\$1,000.. 4 024 487
Value of primary products shipments made in this industry .....	\$1,000.. 3 756 399
Value of primary products shipments made in other industries .....	\$1,000.. 268 088
Coverage ratio .....	percent.. 93
Value added .....	\$1,000.. 2 195 956
Total inventories, beginning of year .....	\$1,000.. 471 531
Finished goods inventories .....	\$1,000.. 173 050
Work-in-process inventories .....	\$1,000.. 30 003
Materials and supplies inventories .....	\$1,000.. 268 478
Total inventories, end of year .....	\$1,000.. 427 837
Finished goods inventories .....	\$1,000.. 179 713
Work-in-process inventories .....	\$1,000.. 33 021
Materials and supplies inventories .....	\$1,000.. 215 103
Gross value of depreciable assets (acquisition costs) at beginning of year .....	\$1,000.. 1 659 507
Total capital expenditures (new and used) .....	\$1,000.. 132 338
Buildings and other structures (new and used) .....	\$1,000.. 16 416
Machinery and equipment (new and used) .....	\$1,000.. 115 922
Automobiles, trucks, etc., for highway use .....	\$1,000.. 7 294
Computers and peripheral data processing equipment .....	\$1,000.. 9 861
All other expenditures for machinery and equipment .....	\$1,000.. 98 767
Total retirements .....	\$1,000.. 177 170
Gross value of depreciable assets at end of year .....	\$1,000.. 1 614 675
Depreciation charges during year .....	\$1,000.. 105 964
Total rental payments .....	\$1,000.. 71 512
Buildings and other structures .....	\$1,000.. 50 613
Machinery and equipment .....	\$1,000.. 20 899
Total other expenses <sup>4</sup> .....	\$1,000.. 296 766
Response coverage ratio <sup>5</sup> .....	percent.. 81
Repair and maintenance services of buildings and/or machinery <sup>4</sup> .....	\$1,000.. 38 781
Communications services <sup>4</sup> .....	\$1,000.. 6 471
Legal services <sup>4</sup> .....	\$1,000.. 4 199
Accounting, auditing, and bookkeeping services <sup>4</sup> .....	\$1,000.. 3 673
Advertising and promotional services <sup>4</sup> .....	\$1,000.. 5 247
Expensed computer hardware and supplies and purchased computer services <sup>4</sup> .....	\$1,000.. 3 509
Refuse removal (including hazardous waste) services <sup>4</sup> .....	\$1,000.. 11 394
Management consulting and administrative services <sup>4</sup> .....	\$1,000.. 4 834
Taxes and license fees <sup>4</sup> .....	\$1,000.. 6 267
All other expenses <sup>4</sup> .....	\$1,000.. 212 390

<sup>1</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Based on Annual Survey of Manufactures (ASM) sample data.

<sup>5</sup>A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 4. Industry Statistics by Employment Size: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E <sup>1</sup>	All establishments <sup>2</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
322299, All other converted paper product manufacturing											
All establishments .....	2	575	22 686	755 581	17 584	34 911	471 945	2 195 956	2 085 507	4 271 782	132 338
Establishments with—											
1 to 4 employees .....	9	152	311	9 589	249	465	6 031	16 317	24 443	40 834	1 646
5 to 9 employees .....	6	63	429	13 948	335	664	8 638	32 213	41 220	73 204	2 733
10 to 19 employees .....	4	92	1 306	41 972	982	1 825	24 252	92 013	125 313	219 691	8 304
20 to 49 employees .....	1	136	4 517	151 574	3 413	6 822	86 937	414 730	467 857	877 125	24 474
50 to 99 employees .....	2	87	6 209	203 699	4 778	9 264	124 453	518 409	589 979	1 103 401	40 308
100 to 249 employees .....	1	32	5 337	171 164	4 162	8 227	107 587	535 621	466 791	998 848	25 305
250 to 499 employees .....	1	12	h	D	D	D	D	D	D	D	D
500 to 999 employees .....	—	1	f	D	D	D	D	D	D	D	D
1,000 to 2,499 employees .....	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more .....	—	—	—	—	—	—	—	—	—	—	—
Administrative records <sup>4</sup> .....	9	197	1 295	37 315	1 072	1 997	23 490	75 834	117 846	191 970	7 923

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 5. Industry Statistics by Primary Product Class Specialization: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments <sup>1</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number <sup>2</sup>	Payroll (\$1,000)	Number <sup>2</sup>	Hours (1,000)	Wages (\$1,000)				
322299	All other converted paper product manufacturing .....	575	22 686	755 581	17 584	34 911	471 945	2 195 956	2 085 507	4 271 782	132 338
3222991	Molded pulp goods, including egg cartons, florist pots, food trays, etc. ....	30	2 331	74 814	2 011	4 048	58 035	175 425	124 846	303 269	12 214
3222993	Miscellaneous converted paper and paperboard products .....	233	16 315	547 181	12 402	24 802	334 018	1 734 356	1 644 830	3 366 528	97 925

<sup>1</sup>Includes establishments with payroll at any time during the year.

<sup>2</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
322299	All other converted paper product manufacturing .....	2002.. N 1997.. N	X X	X X	4 024 487 3 564 365
3222991	Molded pulp goods, including egg cartons, florist pots, food trays, etc. ....	2002.. N 1997.. N	X X	X X	300 854 466 042
32229911	Molded pulp goods, including egg cartons, florist pots, food trays, etc. ....	2002.. N 1997.. N	X X	X X	300 854 466 042
3222991100	Molded pulp goods, including egg cartons, florist pots, food trays, etc. ....	2002.. 22 1997.. 18	X X	X X	300 854 466 042
3222993	Miscellaneous converted paper and paperboard products .....	2002.. N 1997.. N	X X	X X	3 262 101 2 647 945
32229931	Paper party and holiday goods and accessories, including novelties, displays, decorations (except crepe paper), party hats, etc. ....	2002.. N 1997.. N	X X	X X	209 655 195 425
3222993111	Paper party and holiday goods and accessories, including novelties, displays, decorations (except crepe paper), party hats, etc. ....	2002.. 17 1997.. 12	X X	X X	209 655 195 425
32229932	Cellulose insulation, paper doilies, placemats, tray doilies, and paper folders and mounts, all types, except file folders .....	2002.. N 1997.. N	X X	X X	221 947 199 907
3222993221	Cellulose insulation .....	2002.. 13 1997.. 24	X X	X X	153 937 62 670
3222993231	Paper doilies, placemats, and tray doilies (or tray covers) .....	2002.. 7 1997.. 8	X X	X X	40 715 73 192
3222993241	Paper folders and mounts, all types, except file folders .....	2002.. 8 1997.. 9	X X	X X	27 295 64 045
32229933	All other paper filters and paper wrapping products, including creped wadding and crepe paper (except fine crepe paper) .....	2002.. N 1997.. N	X X	X X	304 539 245 802
3222993351	Paper filters, including coffee .....	2002.. 7 1997.. 8	X X	X X	182 266 138 400
3222993361	All other paper wrapping products, including creped wadding and crepe paper (except fine crepe paper) .....	2002.. 28 1997.. 26	X X	X X	122 273 107 402
32229934	Die-cut paper and paperboard products, except office products, including fillers and flats for egg cases (except molded pulp), bottle caps, closures and lids, unprinted cards .....	2002.. N 1997.. N	X X	X X	260 038 217 390
3222993471	Die-cut paper and paperboard products, except office products, including fillers and flats for egg cases (except molded pulp), bottle caps, closures and lids, unprinted cards .....	2002.. 33 1997.. 58	X X	X X	260 038 217 390
32229935	Other miscellaneous paper and paperboard products, including fine crepe paper; unprinted tags, tickets, and labels; cigarette paper; paper draperies and table skirts; etc. ....	2002.. N 1997.. N	X X	X X	2 073 154 1 602 525
3222993591	Other miscellaneous paper and paperboard products, including fine crepe paper; unprinted tags, tickets, and labels; cigarette paper; paper draperies and table skirts; etc. ....	2002.. 147 1997.. 207	X X	X X	2 073 154 1 602 525
3222993Y	Miscellaneous converted paper and paperboard products, nsk .....	2002.. N 1997.. N	X X	X X	192 768 186 896
3222993YWV	Miscellaneous converted paper and paperboard products, nsk .....	2002.. N 1997.. N	X X	X X	192 768 186 896
322299W	All other converted paper product manufacturing, nsk, total .....	2002.. N 1997.. N	X X	X X	461 532 450 378
322299WY	All other converted paper product manufacturing, nsk, total .....	2002.. N 1997.. N	X X	X X	461 532 450 378
322299WYWV	All other converted paper product manufacturing, nsk, for nonadministrative-record establishments .....	2002.. N 1997.. N	X X	X X	337 425 404 759
322299WYWY	All other converted paper product manufacturing, nsk, for administrative-record establishments .....	2002.. N 1997.. N	X X	X X	124 107 45 619

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.



**Table 6b. Product Class Shipments for Selected States: 2002 and 1997**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3222991	Molded pulp goods, including egg cartons, florist pots, food trays, etc.	
	United States ..... 2002 ..	300 854
	..... 1997 ..	466 042
	Ohio ..... 2002 ..	36 365
	..... 1997 ..	N
	Pennsylvania ..... 2002 ..	15 658
	..... 1997 ..	N
	Wisconsin ..... 2002 ..	6 539
	..... 1997 ..	N
3222993	Miscellaneous converted paper and paperboard products	
	United States ..... 2002 ..	3 262 101
	..... 1997 ..	2 647 945
	Arizona ..... 2002 ..	135 482
	..... 1997 ..	N
	California ..... 2002 ..	249 357
	..... 1997 ..	216 241
	Florida ..... 2002 ..	79 597
	..... 1997 ..	37 776
	Georgia ..... 2002 ..	303 136
	..... 1997 ..	270 354
	Illinois ..... 2002 ..	147 581
	..... 1997 ..	131 644
	New Jersey ..... 2002 ..	190 114
	..... 1997 ..	105 161
	New York ..... 2002 ..	57 969
	..... 1997 ..	73 542
	Ohio ..... 2002 ..	239 027
	..... 1997 ..	125 809
	Pennsylvania ..... 2002 ..	231 444
	..... 1997 ..	268 062
	Virginia ..... 2002 ..	114 128
	..... 1997 ..	65 310
	Wisconsin ..... 2002 ..	266 917
	..... 1997 ..	283 117

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 7. Materials Consumed by Kind: 2002 and 1997**

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
322299	All other converted paper product manufacturing		
00900001	Total materials .....2002..	X	1 816 200
	.....1997..	X	1 560 875
00190005	Recovered paper, all types .....2002..	X	141 448
	.....1997..	X	39 522
32210005	Paper and paperboard (excluding boxes and containers) ..... 1, 000 s tons ..2002..	S	747 382
	.....1997..	S	589 513
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes .....2002..	X	24 936
	.....1997..	X	17 985
31332006	Coated and laminated fabrics (including vinyl coated) .....2002..	X	2 566
	.....1997..	X	N
32552003	Glues and adhesives..... mil lb ..2002..	S	14 816
	.....1997..	S	17 269
32591002	Printing inks .....2002..	X	7 527
	.....1997..	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard .....2002..	X	45 662
	.....1997..	X	39 844
00970099	All other materials and components, parts, containers, and supplies.....2002..	X	453 102
	.....1997..	X	411 685
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	378 761
	.....1997..	X	445 057

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.